

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of forwarding requests for content from a client over a network, comprising:

(a) receiving a request for content and based on a determination of information included within the request, determining at least one type of the requested content;

(b) when the type of the requested content is determined to be dynamic, forwarding the request to a content server that enables access to the dynamic content; and

(c) when the type of the requested content is determined to be static, forwarding the request to a plurality of caches that enable access to the static content, wherein the plurality of caches include at least one hot cache that is based at least in part on a higher frequency of request over a period of time.

2. (Original) The method of claim 1, wherein the hot cache caches static content when a frequency of requests for the static content exceeds a threshold.

3. (Original) The method of claim 1, further comprising when the static content is unavailable in the hot cache, forwarding the request to another cache in the plurality of caches.

4. (Original) The method of claim 1, further comprising when the static content is unavailable from any one of the plurality of caches, forwarding the request to the content server that enables access to the static content.

5. (Previously presented) The method of claim 1, further comprising examining the request for an extension indicating that a process is performed in response to the request, wherein the process includes an application program or a script.

6. (Original) The method of claim 1, wherein the content includes information associated with a plurality of resource identifiers.

7. (Original) The method of claim 6, wherein the resource identifiers are uniform resource locators (URLs).

8. (Currently amended) A method for forwarding a request for content from a client over a network, comprising:

(a) determining a frequency of requests for static content, wherein a determination of information included within the request determines a static type of the requested content; and

(b) when the frequency of requests for static content exceeds a threshold, forwarding the request to a first cache that employs a hot list for access to static content that is separately cached, wherein the static content is obtained when unavailable in the first cache by actions, including:

(i) generating a second request for the static content; and

(ii) forwarding the second request to a second cache determined by hashing an identifier associated with the static content if the frequency of requests for static content is below the threshold.

9. (Original) The method of claim 8, wherein when the frequency of requests for static content is below the threshold, hashing the identifier associated with the content to obtain a value and forwarding the request to a cache associated with the value.

10. (Previously presented) The method of claim 8, wherein when the content is unavailable from the second cache, a third request for the content is forwarded to a content server.

11. (Previously presented) The method of claim 10, wherein the content server forwards the third request to a third cache.

12. (Currently amended) A system for forwarding a request for content from a client over a network, comprising:

(a) a forwarder that receives each request for content and forwards each request to at least one of a content server and one of a plurality of caches including at least a hot cache and a regular cache based on a determination of information included within each request for a type of the requested content and a determination of a frequency of each request for a static type of content;

(b) the content server is coupled to the forwarder, wherein the content server sends content to the client in response to each request that is forwarded to the content server; and

(c) the plurality of caches coupled to the forwarder, wherein the hot cache is based at least in part on the request with a higher frequency, and wherein one cache sends content to the client in response to each request that is forwarded to the plurality of caches.

13. (Currently amended) The system of claim [[26]] 12, wherein the cache includes an additional cache, and wherein the hot cache, the regular cache, and the additional cache are arranged in a hierarchical order for receiving each forwarded request for content from the forwarder, and wherein each cache that receives the forwarded request for content that is unavailable, generates an additional request for the content and sends the additional request to the forwarder.

14. (Original) The system of claim 12, wherein the forwarder is coupled to the content server over a wide area network/local area network.

15. (Original) The system of claim 12, wherein the forwarder is coupled to the content server over a communications medium.

16. (Currently amended) The system of claim [[26]] 12, wherein the request is associated with information, and wherein the information includes a location at which the request is generated, the frequency of requests for the content, or the nature of the content requested.

17. (Original) The system of claim 16, wherein the forwarder is further structured to forward requests to the content server when the information indicates that the request is generated by the regular cache.

18. (Original) The system of claim 16, wherein the forwarder is further structured to forward requests to the hot cache when the information indicates that the rate of requests exceeds a threshold.

19. (Original) The system of claim 16, wherein the forwarder is further structured to forward requests to the regular cache when the information indicates that the request is generated by the hot cache.

20. (Currently amended) The system of claim [[26]] 12, wherein the hot cache and the regular cache are located on one device.

21. (Original) The system of claim 12, wherein the server uses a hash table to calculate the number of requests for the content.

22. (Original) The system of claim 12, wherein the content includes information associated with a plurality of resource identifiers.

23. (Original) The system of claim 22, wherein the resource identifiers are uniform resource locators (URLs).

24. (Currently amended) A method of forwarding requests for content from a client over a network, comprising:

(a) means for receiving a request for content from a client and determining at least one type of the requested content based on information included within the request;

(b) when the type of the requested content is determined to be dynamic, means for forwarding the request to a content server that enables access to the dynamic content; and

(c) when the type of the requested content is determined to be static, means for forwarding the request to a plurality of caches that enable access to the static content, wherein the plurality of caches include at least one hot cache that is content based at least in part on a higher frequency of request.

25. (Currently amended) A ~~modulated data signal~~ computer readable media including computer-executable instructions for forwarding requests for content from a client over a network, comprising:

(a) a forwarder that receives each request for content and forwards each request to at least one of a content server and a plurality of caches including at least a hot cache based on at least one of a determination of a type of content requested by the information included within the request and a determination of the frequency of requests for a static type of content;

(b) a transceiver that couples the content server to the forwarder, wherein, if a request is determined to be for a dynamic content type, the forwarder forwards the request to the content server, whereby the content server sends content to the client in response to each request that is forwarded to the content server; and

(c) another transceiver that couples the plurality of caches to the forwarder, wherein the hot cache that is based at least in part on the request with a higher frequency, and wherein one cache sends content to the client in response to each request that is forwarded to the plurality of caches based on a determination of the request.

26. (Cancelled)

27. (Currently amended) A method of forwarding requests for content from a client over a network, comprising:

receiving a request for content and determining if the request is for a dynamic type of content;

selectively communicating with at least one of a plurality of caches for a static type of content based on [[an affirmative]] a negative determination of the information included within the request, wherein the plurality of caches include at least a hot cache; and

providing a response to the request for static content based on the negative determination of the request, wherein hot cache is based at least in part on the request with a higher frequency.

28. (Currently amended) The method of Claim 27, further comprising selectively communicating with at least one content server based on [[the]] an affirmative determination of the request.